
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA.

BULLETIN No 385

TABLE SALT

NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

A. MCGILL,
Chief Analyst.

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BULLETIN No 385

TABLE SALT

Ottawa, October 23rd, 1917.

J. U. VINCENT, Esq., K. C., B. A., L. Ph.
Deputy Minister of Inland Revenue.

Sir,

I beg to hand you a report upon 198 samples of Salt as refined for table use. The samples in question were obtained by our inspectors in April, May and June of this year.

This article has been examined and reported on three previous occasions under the Adulteration Act. The first report, published as Bulletin No. 128, in 1906 dealt with 87 samples, "written by my predecessor in office. It contains the following sentences :

"The percentage of chlorine and sodium contained in them varies from 93 to 98, with corresponding differences as regards the quantities of moisture and impurities present. It is probably inadmissible to call the latter adulterations, the limits of variability for salt not having been yet established in Canada. In the United States a standard was adopted on June 26, 1906 by circular No 19 from the office of the Secretary of Agriculture, which reads as follows:

"Table salt, dairy salt, is fine grained crystalline salt, containing on a water free basis, not more than one and four tenths (1.4) per cent of calcium sulphate (CaSO_4), nor more than five tenths (0.5) per cent of calcium and magnesium chlorides (CaCl_2) and MgCl_2) nor more than one tenth (0.1) per cent. of matters insoluble in water."

It is not necessary to recalculate the results given in the table and state them on a dry basis in order to see that a very large proportion of the samples described would not come up to the United States standard. Taking the figures as they stand in the table there are at least one-half of the samples which would not do so. It is enough for the present to call attention to this fact in

order that manufacturers or furnishers may aim at supplying an article of a higher degree of purity. On the other hand it is satisfactory to note that many of the samples of Canadian origin fulfil the requirements of the United States Department of Agriculture.

Among the samples examined there are six which contain foreign substances insoluble in water, and which have apparently been added to prevent the particles of salt from caking together. It does not appear that this constitutes adulteration, for the Act provides that the usual definitions shall not apply, "if any matter or ingredient not injurious to health has been added to the food or drug because the same is required for the production or preparation thereof as an article of commerce in a fit state for carriage or consumption, and not fraudulently to increase the bulk weight or measure of the food or drug, or to conceal the inferior quality thereof." Nevertheless it would seem to be necessary that these brands should each, on selling, be labelled as a mixture".

Subsequent examination of 273 samples (Bulletin No. 220, Dec. 1910) showed that 78 per cent of the collection met the above standard for Salt, as adopted by the Department of Agriculture, Washington; and a still later inspection of 139 samples in 1913 (Bulletin No. 270) justified the following remarks:

"None of the samples can be regarded as in any way objectionable, still less as harmful, for the purposes of table salt.

At the same time, they vary in quality through a considerable range, as regards their freedom from other substances than chloride of sodium, which may be regarded as the essential and characteristic constituent of salt.

I think it not unreasonable to require that a purified salt, for table use, should be practically free from other chlorides than sodium chloride; and should contain sulphates in amount less than corresponding to 0.75 per cent, of sulphuric acid (SO_3).

The only sulphate usually present in salt is calcium sulphate; and 0.75 per cent, SO_3 corresponds to about 1.28 per cent, of calcium sulphate.

On this basis, 24 samples contain somewhat higher sulphates than should be found in refined salt.

Thirty samples show excessive amounts (above 0.1 per cent.) of insoluble matter. In all cases this is of harmless character; and appears to be purposely added in order to reduce the hygroscopicity of the salt, and thus, to prevent caking. As I pointed out in Bulletin No 220, the fact of such addition should be noted on the label."

The present report goes to show that Table Salt, as found in Canada, is a very satisfactory article. In the great majority of cases it is furnished without intentional additions; and in those cases in which from 1 to 2 per cent, of non-hygroscopic matters (magnesium or calcium phosphate or carbonate) have been added, to prevent caking, the fact of such addition is usually announced on the label, or by the use of a distinctive brand name. Pure salt is, of course, Chloride of Sodium, and Sodium Chloride is actually present as follows:

Above 99.5 per cent in.....	10 samples.
" 99.0 " "	84 "
" 98.5 " "	65 "
" 98.0 " "	25 "
Total.....	184 "
Below 98 per cent in.....	14 "
Total.....	198 "

With exception of two samples, those included in the class containing less than 98 per cent, of Sodium Chloride are sold under distinctive names.

I beg to recommend publication of this report as Bulletin No. 385.

I have the honour to be, Sir,

Your obedient servant,

ALP. LEMOINE,
for Chief Analyst.

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF NOVA SCOTIA :—R. J. WAUGH, INSPECTOR.

1917	May	23	Table Salt	76531	Wm Law & Co., Yarmouth, N. S.	2 lbs	5	Dominion Salt Co., Sarnia.	Mfr.
	"	23	"	76532	Yerzas, Yarmouth, N. S.	2½ lbs	5	" "	E. Allen, Yarmouth.
	"	25	"	76533	James Morrow & Son, Annapolis, N. S.	"	5	Windsor Salt Co., Windsor, Ont.	Baird & Peters, St. John, N.B.
	"	26	"	76534	H. N. Richardson, Windsor, N. S.	"	5	Canadian Salt Co., Windsor, Ont.	A. & W. Smith, Halifax.
	"	30	"	76535	G. H. Young, Lunenburg, N. S.	"	5	" "	R. B. Seeton & Co., Halifax
	"	30	"	76536	John McLeen & Son, Mahone, N. S.	"	5	" "	Unknown
	June	14	"	76537	Wm Moore, Halifax, N. S.	"	5	" "	R. B. Seeton & Co., Halifax
	"	14	"	76538	Corkum & Ritcey, Halifax, N. S.	2½ lbs	5	Diamond Crystal Salt Co., St. Clair, Mich.	Grant Ouley Co., Halifax
	"	15	"	76539	Wentzells Ltd, Halifax, N. S.	"	5	" "	Mfr
	"	22	"	76540	G. N. Henley, Halifax, N. S.	"	6	Canadian Salt Co., Windsor, N. S.	Payzant & King, Halifax
	"	14	"	78711	James Cavanagh, New-Glasgow, N. S.	1 lb	5	Dom Salt Co., Sarnia, Ont.	R. McGregor & Sons, New-Glasgow.
	"	14	"	78712	" "	"	5	Diamond Crystal Salt Co., St. Clair, Mich.	"
	"	11	"	78713	A. J. Roop, New-Glasgow, N. S.	"	10	Can. Salt Co., Windsor, Ont.	"
	"	14	"	78714	D. C. Mackay, New-Glasgow, N. S.	"	5	Dom. Salt Co., Sarnia, Ont.	"
	"	15	"	78715	C. A. Fraser & Co., Stellarton, N. S.	"	5	Can. Salt Co., Windsor, Ont.	Mfr
	"	15	"	78716	John A. McKenzie, Stellarton, N. S.	"	10	Diamond Crystal Salt Co., St. Claire, Mich.	Unknown

DISTRICT OF CAPE BRETON :—

April	24	Table Salt	63870	J. P. Miles, Sydney, C. B.	3 pkgs	15	Diamond Crystal Salt Co., St. Claire, Mich.	
"	24	"	63874	F. & J. Morley, Sydney, C.B.	"	30	" "	
May	10	"	63878	W. T. Cleary, Sydney, C.B.	"	15	Can. Salt Co., Windsor, Ont.	

DISTRICT OF PRINCE EDWARD ISLAND :—

1917	May	22	Table Salt	60655	Farmer's Cooperative Assn., Charlottetown, P.E.I.	1 lb	10	Can. Salt Co., Windsor, Ont.	
	"	22	"	60660	L. A. Hyner, Charlottetown, P.E.I.	"	10	" "	
	"	26	"	60670	Colin C. Dickie, Summerside, P.E.I.	"	5	" "	
	"	26	"	60672	F. W. Strong & Co., Summerside, P.E.I.	"	5	" "	
	"	26	"	60673	Colin Milligan & Co., Summerside, P.E.I.	"	5	" "	
	"	26	"	60675	Sinclair & Stewart, Summerside, P.E.I.	"	5	" "	
	"	26	"	60677	Brace McKay Co., Summerside, P.E.I.	"	6	" "	

TABLE SALT.

Inspector's Report (Is not an expression of opinion).	Results of Analysis.						Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate S O ₃	Lime Ca O	Magnesia Mg O	Sodium Chloride.	

W. A. PETIPAS, TEMPORARY INSPECTOR.

	Trace	0.85	0.66	None	98.5	76531
	"	0.80	0.52	Trace	98.5	76532
	"	0.47	0.33	None	99.1	76533
	"	0.43	0.35	"	99.1	76534
	"	0.49	0.35	"	99.1	76535
	"	0.49	0.34	"	99.1	76536
	"	0.53	0.38	"	99.1	76537
	"	Trace	Trace	"	99.8	76538
	"	"	"	"	99.8	76539
	"	0.49	0.34	"	99.1	76540
Sifted	0.82	0.68	0.59	0.41	98.0	Sifted 78711
	Trace	Trace	Trace	None	99.7	78712
	0.67	0.65	0.52	0.40	98.2	78713
	Trace	0.83	0.59	None	98.8	78714
Labelled Purest & Best	"	0.40	0.31	"	99.2	78715
	0.46	Trace	Trace	0.38	98.8	78716

E. F. MACKEEN INSPECTOR.

Trace	Trace	Trace	Trace	99.8	63870
0.40	"	"	0.43	98.8	63874
Trace	0.35	0.27	None	99.1	63878

F. E. ARSENAULT, INSPECTOR.

Trace	0.48	0.35	None	99.2	60655
"	0.48	0.36	"	99.1	60660
"	0.48	0.32	"	99.1	60670
"	0.50	0.36	"	99.0	60672
"	0.50	0.35	"	99.0	60673
"	0.45	0.33	"	99.1	60675
"	0.43	0.28	"	99.1	60677

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity	Cts.	Manufacturer.	Furnisher.

DISTRICT OF PRINCE EDWARD ISLAND.—

1917							
May	26	Table Salt	60679 R. T. Holman Ltd, Summer-side, P.E.I.	1 lb	5	Canadian Salt Co., Windsor, Ont.	
"	29	"	60683 W. A. Peirson, Charlottetown, P.E.I.	"	5	" "	
"	30	"	60687 C. H. Foster, Charlottetown, P.E.I.	"	6	" "	

DISTRICT OF NEW-BRUNSWICK.—

May	16	Table Salt	69768 W. A. Simonds, St. John, N.B.	3 pkgs	30	Diamond Salt Co., St. Claire, Mich.	
"	18	"	69769 Cheyne & Co., St. John, N.B.	"	30	Can. Salt Co., Windsor, Ont.	
"	18	"	69770 H. L. Alexander, St. John, N.B.	3 bags	18	" "	
"	23	"	69771 Wilson Bros., St. John, N.B.	3 pkgs	30	" "	
"	23	"	69772 J. P. Barrett, St. John, N.B.	"	30	Diamond Crystal Salt Co., St. Claire, Mich.	
"	23	"	69773 Two Barkers, St. John, N.B.	3 bags	15	Dom. Salt Co., Sarnia.	
June	5	"	69774 C. H. Burtt, Fredericton, N.B.	3 pk	"	Can. Salt Co., Windsor, Ont.	
"	6	"	69775 B. H. Smith & Sons, Woodstock, N.B.	"	"	" "	
"	13	"	69776 The Sanitary Grocery, Moncton, N.B.	"	30	Lom Salt Co., Sarnia.	
"	14	"	69777 D. MacLachlan, Chatham, N.B.	"	15	" "	

DISTRICT OF QUEBEC CITY.—

April	12	Sel de table	71016 R. Cantin, 326 St. Valier, Quebec	2 lbs	6		N. Turcotte & Co.
"	12	"	71017 " " " " " "	"	6		" "
"	12	"	71018 Nap. Paquette, 17 Sutherland, Quebec	"	6	Dom. Co.	Quebec Preserving Co.
"	12	"	71019 V. Dion, 2, 2nd Ave Limoilou, Quebec	"	5		" "
"	13	"	71020 Wilfrid Cantin, 126, 3rd Ave Limoilou, Quebec	"	5		" "
"	13	"	71021 " " " " " "	1 lb	10		Langlois & Paradis
"	13	"	71022 A. Chabot, 111 3rd Ave, Limoilou, Quebec	2 lbs	10		Unknown
"	13	"	71023 " " " " " "	"	5		" "
"	13	"	71024 Elz. Turcotte, 132 5th Ave, Limoilou, Quebec	"	5		E. Turcotte
"	13	"	71025 " " " " " "	"	15		" "

TABLE SALT

Inspector's Report (Is not an expression of opinion).	Results of Analysis.							Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate S O ₃	Lime Ca O	Magnesia Mg O	Sodium Chloride.	Remarks.	No. of sample.

Concluded.

.....	Trace	0.42	0.30	None	99.1	.....	60679
.....	"	0.49	0.32	"	99.1	.....	60683
.....	"	0.53	0.38	"	99.0	.....	60687

JOHN C. FERGUSON, INSPECTOR.

Brand Diamond with 1% Magnesia	0.47	Trace	Trace	0.43	98.5	.....	69768
Regal Brand	0.35	0.39	0.25	0.16	98.8	.....	69769
Windsor Brand	Trace	0.48	0.32	None	99.1	.....	69770
Regal Brand	0.55	0.35	0.21	0.31	98.6	.....	69771
Diamond Crystal with 1% Carb. of Mag	0.40	Trace	Trace	0.36	98.8	.....	69772
Century Brand	Trace	1.00	0.65	Trace	98.2	.....	69773
Regal Brand	0.58	0.54	0.29	0.29	98.4	.....	69774
Windsor Brand	Trace	0.52	0.35	None	99.0	.....	69775
Sifted with 1% Carb. of Magnesia	0.75	0.66	0.37	0.43	97.6	Sifted	69776
Century Brand	Trace	0.45	0.30	None	99.3	.....	69777

F. X. W. E. BELAND, INSPECTOR.

Windsor	Trace	0.55	0.34	None	99.0	.....	71016
Diamond Crystal	"	0.19	0.14	"	99.5	.....	71017
Domination	"	0.81	0.61	"	98.6	.....	71018
.....	"	0.58	0.41	"	99.0	.....	71019
.....	"	0.52	0.37	"	98.8	.....	71020
Sifted	0.85	0.72	0.55	0.41	98.0	Sifted	71021
Regal	0.40	0.49	0.33	0.16	98.7	.....	71022
Windsor	Trace	0.47	0.34	None	99.1	.....	71023
.....	"	0.67	0.46	"	98.8	.....	71024
Shib	0.50	Trace	Trace	0.35	98.6	.....	71025

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of vendor.	Cots.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cts.	Manufacturer.	Furnisher.

DISTRICT OF QUEBEC PROVINCE :—O. BROCHU

1917							
April	10	SM	6405 T. Bernard, St. Raphael....	1 bag	10	Can. Salt Co., Windsor, Ont.	
"	10	"	6407 Eug. Bolduc, St. Valier....	"	10		Turcotte Frère & Cie
"	11	"	6415 J. A. Lemieux, St. Michel ..	"	5	Can. Salt Co., Windsor, Ont.	
"	12	"	6417 G. Carrier, St. Gervais.....	"	10		
"	12	"	6418 J. E. Rouillard, St. Gervais..	"	5	International Salt Co.,	
"	12	"	6424 Nap. Aubin, St. Damien....	"	5		Turcotte Frère & Cie, Québec
"	13	"	6426 P. Lavallée, Buckland.....	"	5		
"	17	"	6428 C. Beaudoin, Armagh.....	"	10		N. Turcotte, Québec
"	17	"	6429 G. Noel, Armagh.....	"	10		
"	12	Sel de table	5606 Charlemagne Taillon, St. Jerome.	1 1/2 lbs	5		
"	9	Table Salt	7330 Nap. Proulx, Montmagny....	2 lbs	6	Can. Salt Co., Windsor, Ont.	
"	10	"	7336 Dame P. Richard, Berthier..	"	6		
"	11	"	7338 J. P. Fournier, St. François...	2 lbs	6	Can. Salt Co., Ltd Windsor, Ont.	
"	11	"	7340 A. Prévost, St. François.....	"	6		
"	12	"	7342 Jos. Breton, St. Pierre.....	"	5	" "	
"	12	"	7344 A. Létourneau, St. Pierre....	"	5	" "	
"	14	"	7349 A. Boulet, Montmagny.....	"	5	" "	
"	23	"	7351 Jos. Dubé, Cap St. Ignace....	"	5	" "	

DISTRICT OF THREE RIVERS :—

April	3	Sel de table	6864 William Perreault, Joliette....	3 lbs	5	Can. Salt Co., Windsor, Ont.	
"	4	"	6869 J. H. Longpré, St. Gabriel Brandon.	"	5	" "	
"	5	"	6870 Eugène Desrochers, St. Dida.	"	5	" "	
"	6	"	6874 J. A. Jubinville, Joliette....	"	5	" "	
"	7	"	6880 J. K. R. Deblois, St. Thomas, Joliette.	"	5	" "	
"	10	"	6887 L. A. Tellier, Berthierville....	"	5		Hudon, Orsali, Montreal
"	17	"	7409 J. E. Boulard, St. Jacques l'Achigan.	"	5		Lacaille & Gendreau, Montreal
"	20	"	7424 Ludger Chevette, St. Gabriel Brandon.	"	5	Can. Salt Co., Windsor, Ont.	
"	21	"	7426 Remi Beausoleil, St. Gabriel Brandon.	"	5	" "	

TABLE SALT.

Inspector's Report (is not an expression of opinion).	Results of Analysis.							Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate S O ₃	Lime Ca O	Magnesia Mg O	Sodium Chloride.	Remarks.	

N. CADIEUX AND T. GENDREAU, TEMPORARY INSPECTORS.

	0.10	Trace	0.49	0.33		99.0		6405
	0.15	"	0.46	0.35		99.0		6407
	0.13	"	0.50	0.23		99.1		6415
	0.17	"	0.68	0.30		98.8		6417
	0.26	"	0.74	0.62		98.3		6418
	0.10	"	0.38	0.15		99.4		6424
	0.25	"	0.59	0.44		98.7		6426
	0.25	"	0.42	0.19		99.1		6428
	0.10	"	0.47	0.18		99.2		6429
Wind-or	0.13	"	0.52	0.22		99.1		5606
	0.16	"	0.42	0.20		99.2		7330
	0.14	"	0.41	0.18		99.2		7336
	0.13	Trace	0.35	0.15		99.3		7338
	0.15	"	0.51	0.19		99.1		7340
	0.13	"	0.42	0.18		99.2		7342
	0.17	"	0.42	0.20		99.2		7344
	0.06	"	0.59	0.26		99.1		7349
	0.08	"	0.35	0.20		99.3		7351

Dr. V. P. LAVALLEE, INSPECTOR.

	0.09	Trace	0.46	0.16		99.3		6864
	0.11	"	0.49	0.18		99.2		6869
	0.09	"	0.44	0.18		99.3		6870
	0.14	"	0.45	0.18		99.2		6874
	0.09	"	0.50	0.23		99.1		6880
	0.14	"	0.45	0.19		99.2		6887
	0.09	"	0.41	0.18		99.3		7409
	0.13	"	0.53	0.23		99.1		7424
	0.06	"	0.35	0.20		99.3		7426

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Oz.	Manufacturer.	Furnisher.

DISTRICT OF EASTERN TOWNSHIPS:—

1917							
April	10	Sel de table	73853 J. A. Houle, Victoriaville.	1 lb	5		L. Chaput Fils Montreal
"	10	"	73854 Fred. Lavigne, Victoriaville.	"	5		W. H. Guay, Victoriaville.
"	10	"	73855 Victor Rouillard, Victoriaville.	"	5		"
"	11	"	73856 Eva Proulx, Victoriaville.	"	10		Paul Thi- beault, Victoriaville
"	12	"	73857 Joseph Masson, Victoriaville.	"	5		Hudon, Hebert, Montréal.
"	12	"	73858 J. E. Gullimette, Danville ..	"	5		

DISTRICT OF MONTREAL:—

March	30	Table Salt	74711 J. E. Slattery, 125 Church Ave. Verdun.	1 pkg.	5	Can. Salt Co.	
April	12	"	74712 Westminster Provision Stores, Montreal West.	"	15	Cerebos Ltd.	
"	16	"	74713 Geo. Beauvais & Co., 5942 Sherbrooke St., Notre-Dame de Grâce	"	0	Can. Salt Co.	
"	17	"	74714 L. Herman, 941 St. Catherine St. W. Montreal.	"	10	The Snowflake Salt Co.	
"	17	"	74715 W. J. Brown, 888 St. Catherine St. W. Montreal.	"	15	Cerebos Ltd.	
"	18	"	74716 Ed. Upton, 358 Bourgeois St., Montreal.	"	15	" "	
"	18	"	74717 A. Beaubien, 33 Favard St., Montreal.	"	5	Can. Salt Co.	
"	18	"	74718 J. A. Dionne, 118 Congregation St., Montreal.	"	5	" "	
"	18	"	74719 T. M. Taylor, 330 Charlevoix St., Montreal.	"	10	Dom. Sal. Co.	
"	18	"	74720 J. A. Bourdeau, 305 Charlevoix St., Montreal.	"	5	Can. Salt Co.	

DISTRICT OF VALLEYFIELD:—

May	15	Table Salt	74051 W. J. Martin, Buckingham.	1 bag	5		
"	15	"	74052 " "	1 pkg	10	Can. Salt Co.	
"	22	"	74053 P. T. McLaurin, Vankleek Hill	1 bag	5	" "	
"	23	"	74054 Leduc & Prieur, Valleyfield.	3 pkts	27		
"	23	"	74055 T. Cousineau, Valleyfield.	1 bag	5		
"	29	"	74061 A. Folsy, St. Johns, P.Q.	2 lbs	5		
"	29	"	74062 Geo. Prairie, St. Johns, P.Q.	1 bag	5		
"	30	"	74063 Bert. Horsfall, St. Lambert, P.Q.	2 pkts	20		
"	30	"	74065 M. Martel, St. Lambert, P.Q.	3 "	30		
"	31	"	74066 L. Daignault, Longueuil.	1 bag	5		

TABLE SALT.

Inspector's Report (is not an expression of opinion).	Results of Analysis.							Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate S O ₃	Lime Ca O	Magnesia Mg O	Sodium Chloride.	Remarks.	

E. BLONDIN, TEMPORARY INSPECTOR.

.....	0.14	Trace	0.40	0.19	.....	99.2	.....	73853
.....	0.40	"	0.87	0.55	.....	98.1	.....	73854
.....	0.45	"	0.75	0.61	.....	98.1	.....	73855
.....	0.05	"	0.51	0.22	.....	99.2	.....	73856
.....	0.11	"	0.29	0.13	.....	99.4	.....	73857
Windsor.....	0.13	"	0.40	0.18	.....	99.2	.....	73858

D. J. KEARNEY, INSPECTOR.

Windsor.....	0.15	Trace	0.52	0.40	.....	98.9	.....	74711
Cerebos.....	0.07	1.56	0.19	0.43	.....	97.2	Cerebos	74712
Regal.....	0.16	0.71	0.39	0.37	.....	98.3	.....	74713
Snowflake.....	0.19	0.14	0.25	0.20	.....	99.2	.....	74714
Cerebos.....	0.10	1.56	0.57	0.58	.....	97.1	Cerebos	74715
.....	0.14	2.16	0.59	0.64	.....	96.4	Cerebos	74716
Windsor.....	0.13	Trace	0.41	0.35	.....	99.1	.....	74717
.....	0.12	0.44	0.33	0.14	.....	98.9	.....	74718
Country.....	0.11	Trace	0.81	0.65	.....	98.4	.....	74719
Windsor.....	0.09	"	0.52	0.38	.....	99.1	.....	74720

J. J. COSTIGAN, INSPECTOR.

Windsor.....	0.28	Trace	0.43	0.36	.....	98.9	.....	74051
Regal.....	0.24	0.50	0.44	0.21	.....	98.6	.....	74052
.....	0.17	Trace	0.43	0.16	.....	99.2	.....	74053
Regal.....	0.17	0.47	0.69	0.50	.....	98.1	.....	74054
Country.....	0.39	Trace	0.74	0.48	.....	98.3	.....	74055
.....	0.19	"	0.47	0.36	.....	98.9	.....	74061
Windsor.....	0.14	"	0.43	0.18	.....	99.2	.....	74062
Cerebos.....	0.09	1.26	0.37	0.44	.....	97.8	Cerebos	74063
Diamond.....	0.10	0.32	0.19	0.15	.....	99.2	.....	74065
Windsor.....	0.14	Trace	0.43	0.17	.....	99.2	.....	74066

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer.	Furnisher

DISTRICT OF OTTAWA :—

1917							
April	12	Table Salt	73575 A. E. Rea Co., Ottawa.....	3 bags	15	The Dom. Salt Co., Ltd. Sarnia, Ont.	
"	12	"	73576 " " "	3 pkts	30	Cerebos Ltd. England	
"	12	"	73577 " " "	"	25	The Dom. Salt Co., Ltd. Sarnia, Ont.	
May	7	"	73598 A. Boivin, 80 Queen St. West. Ottawa.....	3 bags	15	Can. Salt Co. Windsor, Ont.	

DISTRICT OF KINGSTON :—

April	4	Table Salt	78316 Mr J. Bryant, Kingston....	2 lbs	5		Geo. Robertson & Son, Kingston.
"	5	"	78317 L. W. Murphy, Kingston....	"	5	Dom. Salt Co. Sarnia.	
"	10	"	78318 A. G. Vermilyea, Belleville..	"	5		J. Sloan & Co., Belleville
"	11	"	78319 A. W. Cawardine, Belleville..	"	5		J. E. Walmsley & Co., Belleville.
"	11	"	78320 Wallbridge & Clark, Belleville.....	"	10	Diamond Crystal Salt Co., St. Claire, Mich.	
"	11	"	78321 Thos. McIntosh, Cobourg....	"	10	Can. Salt Co. Windsor, Ont.	
"	11	"	78322 The Thompson MacDonald & Co., Cobourg.....	"	5	Dom. Salt Co., Sarnia, Ont.	
"	12	"	78323 W. M. Fox & Co., Cobourg....	"	5		E. A. Duncan Co., Cobourg
"	12	"	78324 Rooneys Grocery, Cobourg..	"	5	Dom. Salt Co., Sarnia.	
"	12	"	78325 Sam. Sleeman, Port Hope....	"	5	" "	

DISTRICT OF TORONTO :—

May	8	Table Salt	77821 J. E. Beaton, Oshawa.....	1 bag	5	Dom. Salt Co., Sarnia.	
"	8	"	77822 Mathison Bros., Whitby....	1 pkge	10	Diamond Crystal Salt Co., St. Claire, Mich.	
"	9	"	77823 W. S. Short, Port Perry.....	1 bag	5	Western Salt Co., Ltd., Courtright	
"	9	"	77824 J. E. Buck, Utica.....	1 pkge	10		Eby Blain Ltd., Toronto
"	9	"	77825 Dobson & Crosby, Uxbridge..	"	10	Can. Salt Co., Windsor.	
"	10	"	77827 Tim Doyle, Sunderland.....	1 bag	5	" "	
"	11	"	77828 A. Hardy, Cannington.....	1 pkge	10	Dom. Salt Co., Sarnia.	
"	15	"	77829 James Whimster, Bradford..	"	10	Western Salt Co., Ltd., Courtright	

TABLE SALT.

Inspector's Report (is not an expression of opinion).	Results of Analysis.							Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate SO ₃	Lime Ca O	Magnesia Mg O	Sodium Chloride.	Remarks.	No. of Sample.
J. A. RICKEY, INSPECTOR.								
Century Brand	0.25	Trace	0.84	0.39	.....	98.5	.....	73575
Cerebos, Refined Table Salt 97.82 % Calc. Phosph. 1.63. Mag. Phosph. 0.44. Sod. Phosph. 0.11.....	0.35	0.58	0.21	0.26	.....	98.6	Cerebos	73576
Sifto, 1% Mag. Carb..	0.08	1.18	0.32	0.41	.....	98.0	Sifto	73577
Purest and Best.....	0.10	Trace	0.62	0.20	.....	99.0	.....	73508

JAMES HOGAN, INSPECTOR.

.....	0.19	Trace	0.74	0.45	.....	98.6	.....	78316
.....	0.29	"	0.48	0.21	.....	99.1	.....	78317
.....	0.10	"	0.37	0.22	.....	99.3	.....	78318
.....	0.30	"	0.61	0.17	.....	98.9	.....	78319
.....	0.09	0.15	0.15	0.06	.....	99.5	.....	78320
.....	0.18	0.15	0.48	0.24	.....	98.9	.....	78321
.....	0.29	Trace	0.49	0.23	.....	99.0	.....	78322
.....	0.47	"	0.40	0.29	.....	98.8	.....	78323
.....	0.05	"	0.16	0.05	.....	99.7	.....	78324
.....	0.34	"	0.69	0.24	.....	98.7	.....	78325

H. J. DAGER, INSPECTOR.

Century.....	0.35	Trace	1.03	0.61	.....	98.3	.....	77821
.....	0.11	0.38	0.12	Trace	.....	99.3	.....	77822
Purity.....	0.25	Trace	0.65	0.38	.....	98.7	Purity	77823
Anchor.....	0.26	1.02	0.65	0.21	.....	97.8	Anchor	77824
.....	0.18	0.34	0.52	0.40	.....	98.5	.....	77825
Windsor.....	0.22	Trace	0.67	0.35	.....	98.7	.....	77827
Sifto.....	0.29	"	0.66	0.34	.....	98.7	Sifto	77828
Purity.....	0.15	1.72	0.74	1.03	.....	96.3	Purity	77829

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost		Name and Address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts	Manufacturer	Furnisher

DISTRICT OF HAMILTON

1917							
April	4	Table Salt	77716 A. M. Almos 99 John St. S. Hamilton	1 bag	5	Can. Salt Co., Windsor.	
"	11	"	77717 Crompton Grocery, Colborne St., Brantford	1 pkge	10	"	
"	11	"	77718 F. C. Harp, 101 Dalhousie St. Brantford.	"	10	Diamond Crystal Salt Co., St. Claire, Mich.	
"	13	"	77719 The H. Hager Co., Ltd. Hagersville.	"	10	Dom. Salt Co., Sarnia.	
"	16	"	77720 A. G. Pearen, Brampton	"	10	Western Salt Co., Courtright.	
"	16	"	77721 Deeves & Co., Brampton	1 bag	5	Dom. Salt Co., Sarnia.	

DISTRICT OF WINDSOR

April	13	Table Salt	65162 Stanley & Williams, Sarnia.	1 bag	10	Can. Salt Co., Windsor.	
"	13	"	65171 W. C. Palmer, Sarnia.	1 1/2 lb	10	Dom. Salt Co., Sarnia.	
"	17	"	65173 Jeffries & Campbell, Ridgetown	"	5	Western Salt Co., Courtright.	
"	17	"	65175 Clark & Son, Ridgetown	"	5	Can. Salt Co., Windsor.	
"	17	"	65179 Orendorf Bros., Ridgetown	"	5	Western Salt Co., Courtright.	
"	18	"	65182 W. H. Ellsworth & Son, Ridgetown.	1 bag	5	Can. Salt Co., Windsor.	
"	18	"	65186 Sample & Linton, Essex.	"	5	"	
"	19	"	65193 C. W. Hendershot & Co., Kingsville	"	5	"	
"	19	"	65197 C. A. Quick, Kingsville	"	5	"	
"	19	"	65198 T. J. Salmon	"	5	"	

DISTRICT OF MANITOBA—

April	10	Table Salt	75276 E. Destauls, Letellier, Man.	3 bags	15	Can. Salt Co., Windsor.	
"	12	"	75277 W. H. Morgan, 140 Higgins Ave. Winnipeg	4 1/2 lbs	10	Western Salt Co., Courtright.	
"	16	"	75278 T. M. Badger, 1056 Main St., Winnipeg	3 cans	30	Diamond Crystal Salt Co., Mich.	
"	16	"	75279 Moffet & Douglas, 1322 Main St., Winnipeg	"	30	Can. Salt Co., Windsor.	
"	18	"	75280 S. Goddard, 589 Notre-Dame, Winnipeg	3 bags	40	North Am. Chem. Co., Clinton, Ont.	
"	15	"	75281 Mrs F. Harding, Austin, Man.	3 bags	15	Dom. Salt Co., Sarnia.	
May	3	"	75282 A. W. Rimer & Son, Geroux, Man.	"	15	Can. Salt Co., Windsor.	
"	9	"	75283 Hudsons Bay Co., Winnipeg	3 cans	55	E. Lazenby, London, England	
"	9	"	75284 " " "	"	55	Cerebos Salt Co., London, Eng.	
"	28	"	75285 J. G. McGowan & Co., Treherne, Man.	3 bags	15	Dom. Salt Co., Sarnia.	

TABLE SALT.

Inspector's Report (is not an expression of opinion).	Results of Analysis.							Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate SO ₄ =	Lime Ca O	Magnesia Mg O	Sodium Chloride.	Remarks		No. of Sample.
H. J. DAGER, ACTING INSPECTOR.								
Windsor.....	0.05	Trace	0.51	0.21		99.2		77716.
Regal.....	0.13	0.54	0.43	0.17		98.7		77717
Diamond Crystal.....	0.12	0.15	0.1	0.15		99.4		77718
Sift.....	0.40	0.11	0.63	0.45		98.4	Sift	77719
Purity.....	0.33	0.72	0.71	0.50		97.7	Purity	77720
Century.....	0.23	Trace	0.64	0.22		98.9		77721

JNO TALBOT, INSPECTOR.

.....	0.09	Trace	0.46	0.20		99.2		65162
.....	0.36	"	0.68	0.29		98.6		65171
Purity.....	0.27	"	0.59	0.25		98.9	Purity	65173
Windsor.....	0.09	"	0.57	0.24		99.1		65175
Purity.....	0.22	"	0.61	0.29		98.8	Purity	65179
Windsor.....	0.13	"	0.53	0.42		98.9		65182
".....	0.11	"	0.59	0.21		99.1		65186
.....	0.19	"	0.49	0.19		99.1		65193
.....	0.11	"	0.42	0.19		99.3		65197
.....	0.12	"	0.33	0.15		99.4		65198

J. B. COSGROVE, INSPECTOR.

						Sodium Chloride on dry basis		
.....	0.24	Trace	0.67	0.46	None	98.9		75276
.....	0.22	"	0.72	0.48	"	98.8		75277
.....	0.12	0.33	0.11	0.12	0.32	99.0		75278
Regal.....	0.24	0.34	0.55	0.36	0.20	98.5		75279
.....	0.34	0.14	0.83	0.70	None	98.4		75280
Century.....	0.20	Trace	0.68	0.44	None	98.8		75281
.....	0.08	"	0.47	0.30	"	99.2		75282
.....	0.10	0.98	1.27	0.44	0.55	96.8	Lazenby	75283
.....	0.20	2.60	0.96	1.64	0.16	95.4	Cerebos	75284
.....	0.40	Trace	0.98	0.84	None	98.1		75285

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF SASKATCHEWAN :—

1917							
April	19	Table Salt	71692 G. W. Stockton, Carlyle.....	2 lbs	10	Can. Salt Co., Windsor.	
"	19	"	71696 James Cutler, Carlyle.....	"	10	Western Salt Co., Courtright.	
"	19	"	71699 A. C. Kemp, Carlyle.....	1 lb	5	Can. Salt Co., Windsor.	
"	19	"	77001 Neison & Co., Carlyle.....	2 lbs	10	Western Salt Co., Courtright.	
"	20	"	77003 John Nears, Arcola.....	1 lb	nil	Dom. Salt Co., Sarnia.	
"	20	"	77008 R. L. Clarke, Arcola.....	"	10	"	
"	20	"	77011 W. M. Connor, Arcola.....	"	5	"	
May	15	"	77018 F. W. Smith Ltd. Weyburn...	2 lbs	5	Can. Salt Co., Windsor.	
"	15	"	77019 McKinnons Ltd. Weyburn...	"	15	North Am. Chem. Co., Clinton, Ont.	
"	22	"	77035 Crescent Cash Grocery, Moose Jaw.	1 lb	5	"	

DISTRICT OF ALBERTA :—

April	23	Table Salt	52622 J. H. Morris & Co., Edmonton.	1 bag	6	Can. Salt Co., Windsor.	
"	24	"	52623 Great West Grocery, Edmonton.	"	5	"	
May	11	"	52624 Henry Langston, Calgary...	"	5	"	
"	15	"	52625 A. G. Hicks, Okotoks.....	"	10	Dom. Salt Co., Sarnia.	
"	17	"	52626 Read & Co., Macleod.....	"	10	North Am. Chem. Co., Clinton, Ont.	
"	18	"	52627 The White Hall Grocery, Macleod.....	"	10	Can. Salt Co., Windsor.	
"	18	"	52628 Hudsons Bay Co., Macleod...	1 pkge	15	Can. Salt Co., Windsor.	
"	22	"	52629 Allen & Allen, Sunnyside, Calgary.	1 bag	5	"	
"	22	"	52630 B. H. Hardy, Hillhurst, Calgary.	"	5	Western Salt Co., Courtright.	
"	22	"	52631 Kensington Grocery, Calgary.	"	5	Dom. Salt Co., Sarnia.	

DISTRICT OF ROCKY MOUNTAINS :—

April	10	Table Salt	68368 W. J. Woods, Enderby.....	1 bag	10	Can. Salt Co., Windsor.	
"	10	"	68369 " " " " " " " "	1 pkge	15	Leslie Salt Ref. Co., San Francisco.	
"	12	"	68384 The Okanagan Grocery, Vernon, B.C.....	1 bag	10	"	
"	12	"	68385 " " " " " " " "	"	10	Can. Salt Co., Windsor.	
May	3	"	68403 F. H. Jackson, Creston, B.C.	1 tin	30	Cerebos Salt Co., London.	
"	5	"	68404 " " " " " " " "	1 pkge	15	Can. Salt Co., Windsor.	
"	7	"	68411 Cranbrook Trading Co., Cranbrook, B.C.....	1 lb	10	"	
"	7	"	68412 J. Manning, Cranbrook, B.C.	1 pkge	15	Western Salt Co., Courtright.	

TABLE SALT.

Inspector's Report (Is not an expression of opinion).	Results of Analysis.							Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate SO_3	Lime CaO	Magnesia MgO	Sodium Chloride on dry basis.	Remarks	No. of Sample.
L. R. HALL, INSPECTOR.								
.....	0.22	Trace	0.54	0.36	None	99.0	.....	71692
.....	0.22	"	0.52	0.40	"	99.0	.....	71696
.....	0.12	"	0.40	0.24	"	99.3	.....	71699
.....	0.16	"	0.50	0.30	"	99.1	.....	77001
.....	0.34	"	0.76	0.56	"	98.6	.....	77003
.....	0.38	"	0.97	0.64	"	98.3	.....	77008
.....	0.36	"	1.11	0.76	"	98.1	.....	77011
.....	0.22	"	0.67	0.42	"	98.9	.....	77018
Shaker Salt.....	0.24	1.14	0.75	0.60	0.20	97.3	Shaker	77019
.....	0.32	0.07	1.05	0.78	None	98.1	.....	77035

A. W. R. MARKLEY, INSPECTOR.

.....	0.14	Trace	0.66	0.56	None	98.8	.....	52622
Windsor.....	0.20	"	0.89	0.74	"	98.4	.....	52623
.....	0.14	"	0.43	0.44	"	98.2	.....	52624
.....	0.24	0.10	0.66	0.64	"	98.7	.....	52625
Ricis Salt.....	0.26	None	0.75	0.76	"	98.4	Ricis	52626
Windsor.....	0.10	"	0.40	0.42	"	99.1	.....	52627
Regal, 1% Mag. Carb.	0.20	0.38	0.64	0.50	0.20	98.2	.....	52628
Windsor.....	0.12	Trace	0.34	0.44	None	99.2	.....	52629
Purity.....	0.28	"	0.84	0.70	"	98.4	Purity	52630
Century.....	0.34	"	0.92	0.76	"	98.2	.....	52631

THOS. PARKER, INSPECTOR.

.....	0.09	Trace	0.52	.....	.....	98.9	.....	68308
.....	0.14	1.06	0.08	.....	.....	98.5	.....	68369
.....	0.07	Trace	0.04	.....	.....	99.8	.....	68384
.....	0.07	"	0.54	.....	.....	98.7	.....	68385
.....	0.09	1.74	0.39	.....	.....	97.5	Carebos	68403
Regal.....	0.15	0.74	0.46	.....	.....	98.5	.....	68404
.....	0.04	Trace	0.33	.....	.....	99.3	.....	68411
.....	0.17	1.84	0.33	.....	.....	97.3	.....	68412

Date of Collection	Nature of Sample	Number of Sample	Name and Address of Vendor	Cost.		Name and address of Manufacturer or Furnisher as given by the Vendor	
				Quantity	cts.	Manufacturer	Furnisher

DISTRICT OF VANCOUVER —

1917							
April	17	Table Salt	55990 Duke's Grocery, 200 Hastings St., E. Vancouver.	1 1/2 lbs	5	Can. Salt Co., Windsor.	
"	17	"	55991 H. Newell, 575 Hastings St. E., Vancouver.	2 lbs	10	Leslie Salt Refining Co., San Francisco.	
"	18	"	55992 W. H. Parsons, 2425 Main St.	1 1/2 lbs	5	" "	
"	18	"	55993 M. Kalamet, Broadway & Ontario Sts. Vancouver.	2 lbs	10	" "	
"	19	"	55994 Cow Butter Store, 185 Hastings St. E., Vancouver.	1 1/2 lbs	5	Can. Salt Co., Windsor.	
"	19	"	55995 A. G. McKenney, 3595 Commercial Drive, Vancouver.	1 lb.	5	Leslie Salt Refining Co., San Francisco.	
"	19	"	55996 Elliott & Co., 15th Ave & Kingsway, Vancouver.	2 lbs	10	" "	
"	19	"	55997 Western Grocery, 2243 Main St., Vancouver.	"	10	Can. Salt Co., Windsor.	
"	20	"	55998 Annandale Supply Co., 641 Columbia St., New-Westminster.	"	10	Kelly & Van, Vancouver.	
"	20	"	55999 C. A. Welsh Ltd, 681 Columbia St., New-Westminster.	"	10	San Francisco Salt Refinery San Francisco.	

DISTRICT OF VICTORIA —

April	27	Table Salt	75755 Copes & Young, 633 Fort St., Victoria.	2 lbs	10	Can. Salt Co., Windsor.	
"	27	"	75756 Thoburn's Grocery, Head St. & Esquimalt Rd. Victoria.	"	10	Leslie Salt Refining Co., San Francisco.	
"	27	"	75757 Oak Bay Grocery Co., 2292 Oak Bay Ave. Victoria.	"	10	" "	
"	27	"	75758 Fenerty Bros., 1553 Pandora Ave. Victoria.	"	10	Can. Salt Co., Windsor.	
"	30	"	75759 Cook St. Grocery, Cash & Port Sts. Victoria.	"	10	" "	
"	30	"	75760	"	15	Leslie Salt Refining Co.,	
"	30	"	75761 McKenzie St. Grocery, 335 Cook St., Victoria.	"	10	Can. Salt Co., Windsor.	
"	30	"	75762 Wellburn's Cash Grocery Store, 1058 Pandora Ave. Victoria.	"	10	Leslie Salt Refining Co., San Francisco.	
"	30	"	75763 B. W. Grant, 761 Pandora Ave. Victoria.	"	10	Can. Salt Co., Windsor.	
"	30	"	75764 A. McKinnon, 709 Pandora Ave. Victoria.	"	10	Leslie Salt Refining Co., San Francisco.	

TABLE SALT.

Inspector's Report (Is not an expression of opinion).	Results of Analysis.							Remarks, and opinion of the Chief Analyst.
	Moisture.	Insoluble in water.	Sulphate SO ₃	Lime Ca O	Magnesia Mg O	Sodium Chloride on dry basis.	Remarks.	

G. G. ARMYTAGE, INSPECTOR.

.....	0.14	Trace	0.61	.....	.....	98.5	.....	55000
.....	0.08	1.04	0.03	.....	.....	98.5	.....	55001
.....	0.08	Trace	0.13	.....	.....	99.5	.....	55002
.....	0.11	1.06	0.03	.....	.....	98.7	.....	55003
.....	0.11	Trace	0.45	.....	.....	98.9	.....	55004
.....	0.07	"	0.06	.....	.....	99.5	.....	55005
.....	0.13	1.00	0.15	.....	.....	98.5	.....	55006
.....	0.02	0.05	0.54	.....	.....	98.7	.....	55007
.....	0.44	1.12	0.27	.....	.....	97.9	.....	55008
.....	0.66	0.97	0.09	.....	.....	98.7	.....	55009

G. G. ARMYTAGE, INSPECTOR.

.....	0.15	0.43	0.42	.....	.....	98.7	.....	75755
.....	0.17	1.11	0.05	.....	.....	98.7	.....	75756
.....	0.13	1.09	0.06	.....	.....	98.5	.....	75757
.....	0.07	Trace	0.58	.....	.....	99.1	.....	75758
.....	0.09	"	0.45	.....	.....	99.1	.....	75759
.....	0.13	1.06	0.04	.....	.....	98.6	.....	75760
.....	0.13	0.36	0.38	.....	.....	98.7	.....	75761
.....	0.06	1.09	0.19	.....	.....	98.6	.....	75762
.....	0.11	0.50	0.35	.....	.....	98.7	.....	75763
.....	0.08	1.04	0.06	.....	.....	98.5	.....	75764